

Prepared For:

Toyne, INC
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 Reference ID: Toyne Demo

Presented By:

O'HALLORAN INTERNATIONAL
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Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2009 4400 SBA 4X2 (MA035)

APPLICATION:

Fire/Pumper (Emergency)

MISSION:

Requested GVWR: 38000. Calc. GVWR: 38000
 Calc. Start / Grade Ability: 25.00% / 3.05% @ 55 MPH
 Calc. Geared Speed: 76.4 MPH

FUEL ECONOMY:

9.34 MPG @ 55 MPH

DIMENSION:

Wheelbase: 256.00, CA: 145.00, Axle to Frame: 47.00

ENGINE, DIESEL:

{International MaxxForce 9} 310 HP, 950 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed,
 # 2 Bell Housing

TRANSMISSION, AUTOMATIC:

{ALLISON 3000EVS_P} 4th Generation Controls; Close Ratio, 5-Speed; With Overdrive, Includes
 Oil Level Sensor, With Provision for PTO, Less Retarder, Max. GVW N/A

CLUTCH:

Omit Item (Clutch & Control)

AXLE, FRONT NON-DRIVING:

{International I-120SG} I-Beam Type, 12,000-lb Capacity

AXLE, REAR, SINGLE:

{Dana Spicer S26-190} Single Reduction, 26,000-lb Capacity, With "R" Wheel Ends Gear Ratio:
 4.78

CAB:

Conventional 6-Man Crew Cab

TIRE, FRONT:

(2) 11R22.5 G149 RSA/RH (GOODYEAR) 501 rev/mile, load range G, 14 ply

TIRE, REAR:

(4) 12R22.5 UNISTEEL G124 M+S (GOODYEAR) 482 rev/mile, load range H, 16 ply

SUSPENSION, RR, SPRING, SINGLE:

Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

PAINT:

Cab schematic 100GA

Location 1: 2303, Red (Std)

Chassis schematic N/A

<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
Base Chassis, Model 4400 SBA 4X2 with 256.00 Wheelbase, 145.00 CA, and 47.00 Axle to Frame.	5996/3061	9057
TOW HOOK, FRONT (2) Inside Rail, Frame Mounted.	8/0	8
FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.375" x 3.705" x 0.438" (263.5mm x 94.1mm x 11.1mm); 456.0" (11582mm) Maximum OAL	408/456	864
BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness	0/0	0
WHEELBASE RANGE 256" (650cm) Through and Including 311" (790cm)	0/0	0
AXLE, FRONT NON-DRIVING {International I-120SG} I-Beam Type, 12,000-lb Capacity	99/0	99
SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers	72/0	72
<u>Includes</u>		
: SPRING PINS Rubber Bushings, Maintenance-Free		
BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	57/41	98
<u>Includes</u>		
: BRAKE CHAMBERS, SPRING (2) Rear Parking		
: BRAKE LINES Color Coded Nylon		
: DRAIN VALVE Twist-Type		
: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster		
: PARKING BRAKE VALVE Color-Coded Yellow Knob, Located on Instrument Panel		
: SLACK ADJUSTERS, FRONT Automatic		
: SLACK ADJUSTERS, REAR Automatic		
: SPRING BRAKE MODULATOR VALVE		
DRAIN VALVE, AUTOMATIC {Bendix DV-2} With Heater; for Air Tank	1/0	1
BRAKE SHOES, REAR Cast	0/50	50
AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)	9/21	30
AIR DRYER {Bendix AD-9} With Heater	24/3	27
BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. MGM Long Stroke Brake Chambers	71/0	71
BRAKES, REAR, AIR CAM 16.5" x 7.0"; Includes MGM TR3030 Long Stroke Brake Chamber and Heavy Duty Spring Actuated Parking Brake	0/251	251
AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity	46/0	46
DUST SHIELDS, FRONT BRAKE	3/0	3
DUST SHIELDS, REAR BRAKE	0/6	6
STEERING COLUMN Tilting	10/0	10
STEERING WHEEL 2-Spoke, 18" Diam., Black	0/0	0
STEERING GEAR {Sheppard M-100} Power	25/0	25
EXHAUST SYSTEM Single Horizontal, Aftertreatment Device, Frame Mounted Right Side, for Use With Long Tail Pipes	2/6	8
<u>Includes</u>		
: PLEASE NOTE: The Horizontal Tailpipe Includes a Temperature Control Device		
EXHAUST BRAKE, DLOGIC {Diamond Logic} for MaxxFace 9 / DT570, MaxxFace 10 / HT570 Engines; Exhaust Brake, Electronically Activated	0/0	0
TAIL PIPE Horizontal, Exits Right Side Outside of Body, At Rear Wheels	0/0	0

Description

	<u>F/R Wt</u>	<u>Tot Wt</u>
	(lbs)	(lbs)
ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
<u>Includes</u>		
: BATTERY BOX Steel; Mounted Left Side, Under Cab		
: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab		
: FUSES, ELECTRICAL SAE Blade-Type		
: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover		
: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever		
: HORN, ELECTRIC Single		
: JUMP START STUD Located on Positive Terminal of Outermost Battery		
: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light		
: RUNNING LIGHT (2) Daytime, Included With Headlights		
: STARTER SWITCH Electric, Key Operated		
: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector		
: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature		
: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted		
: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever		
: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted		
: WIRING, CHASSIS Color Coded and Continuously Numbered		
CIGAR LIGHTER Includes Ash Cup	1/0	1
IGNITION SWITCH Keyless	2/0	2
ALTERNATOR {Leece-Neville 4949PA} Brush Type; 12 Volt 270 Amp. Capacity, Pad Mounted	14/0	14
BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	2/0	2
BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total	48/8	56
RADIO {International} AM/FM Stereo With Weatherband, Clock, Auxiliary Input, Includes Multiple Dual Cone Speakers	0/0	0
<u>Includes</u>		
: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior		
: SPEAKERS IN CAB (4) Coaxial with Premium Interior		
HORN, AIR Black, Single Trumpet, Air Solenoid Operated, Mounted Behind Bumper on Right Rail	2/0	2
WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time	0/0	0
HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights	0/0	0
TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	0/0	0
HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on	0/0	0
STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection	-30/0	-30
COURTESY LIGHT (4) Mounted In Front & Rear Map Pocket Left and Right Side	2/0	2
INDICATOR, LOW COOLANT LEVEL With Audible Alarm	1/0	1
CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses	0/0	0
GRILLE Chrome	0/0	0

<u>Description</u>	<u>F/R Wt</u>	<u>Tot Wt</u>
	(lbs)	(lbs)
FRONT END Tilting, Fiberglass, With Three Piece Construction	0/0	0
GRILLE EMBER SCREEN Mounted to Grille to Keep Hot Embers out of Engine Air Intake System	5/0	5
PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
<u>Includes</u>		
: PAINT SCHEMATIC ID LETTERS "GA"		
PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
KEYS,- ALL ALIKE, ID Z-001	0/0	0
CLUTCH Omit Item (Clutch & Control)	-67/-8	-75
ENGINE, DIESEL {International MaxxFORCE 9} 310 HP, 950 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, # 2 Bell Housing	130/9	139
<u>Includes</u>		
: AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated		
: COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control		
: CRUISE CONTROL Electronic; Controls Integral to Steering Wheel		
: ENGINE OIL DRAIN PLUG Magnetic		
: ENGINE SHUTDOWN Electric, Key Operated		
: FAN Optimized Position		
: FUEL FILTER Included with Fuel/Water Separator		
: FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted		
: GOVERNOR Electronic		
: OIL FILTER, ENGINE Spin-On Type		
: WET TYPE CYLINDER SLEEVES		
FAN DRIVE {Horton Drivemaster} "Two Speed" Direct Drive, With Residual Torque Device for Disengaged Fan Speed	25/0	25
<u>Includes</u>		
: FAN Nylon		
FEDERAL EMISSIONS for 2004; for International VT365, DT466 and DT570 Engines	0/0	0
RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 816 SqIn Louvered, With 313 SqIn Charge Air Cooler. With In-Tank Transmission Cooler	0/0	0
<u>Includes</u>		
: DEAERATION SYSTEM with Surge Tank		
: RADIATOR HOSES Premium, Rubber		
AIR CLEANER Single Element	0/0	0
<u>Includes</u>		
: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted		
OVER-TEMPERATURE PROTECTION (For Engine Coolant) Omit Item	0/0	0
THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel	0/0	0
FEDERAL EMISSIONS 2007 for International MaxxFORCE 9 & 10 Engines (DT570 & HT570)	0/0	0
ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for International post 2007 Emissions Electronic Engines	0/0	0
ENGINE WATER COOLER {Sen-Dure} Auxiliary, For Use With Fire Trucks	6/0	6

<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Tot Wt</u> (lbs)
EXPANDED ENGINE TEMP EFFECTS to Allow Higher Engine Operating Temperature Range; Includes Nylon Surge Tank and 15 psi Pressure Cap	0/0	0
EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations	0/0	0
TRANSMISSION, AUTOMATIC {ALLISON 3000EVS_P} 4th Generation Controls; Close Ratio, 5-Speed; With Overdrive, Includes Oil Level Sensor, With Provision for PTO, Less Retarder, Max. GVW N/A	185/49	234
<u>Includes</u>		
: OIL FILTER, TRANSMISSION Mounted on Transmission		
: TRANSMISSION OIL PAN Magnet in Oil Pan		
TRANSMISSION SHIFT CONTROL {ALLISON} Push-Button Type; for Allison 3000 & 4000 Series Transmission	0/0	0
SHIFT CONTROL PARAMETERS WT-Allison S-1 Performanc Programming in Primary and Allison S-4 Economy Programming in Secondary	0/0	0
ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS); Fire/Pumper, Tank, Aerial/Ladder	0/0	0
AXLE, REAR, SINGLE {Dana Spicer S26-190} Single Reduction, 26,000-lb Capacity, With "R" Wheel Ends . Gear Ratio: 4.78	0/369	369
<u>Includes</u>		
: REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle		
SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring	0/88	88
FUEL TANK Top Draw; D Style, Steel, 50 U.S. Gal., 189 L Capacity, 16" Deep, With Quick Connect Outlet, Mounted Right Side, Under Cab	0/0	0
CAB Conventional 6-Man Crew Cab	104/250	354
<u>Includes</u>		
: ARM REST (2) Molded Plastic; One Each Door		
: CLEARANCE/MARKER LIGHTS (5) Flush Mounted		
: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window		
: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted		
: GLASS, ALL WINDOWS Tinted		
: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side		
: GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar, One Each Side		
: GRAB HANDLE, CAB INTERIOR (4) Two Each Side, Rear Door Mounted at Hinge Side and "C" Pillar Mounted		
: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color		
: PLEASE NOTE: 43.9" CA Loss		
: STEP (8) Two Steps Per Door		
GAUGE CLUSTER English With English Electronic Speedometer	0/0	0
<u>Includes</u>		
: GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter		
: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout		
: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)		
GAUGE, OIL TEMP, ALLISON TRAN	1/0	1
GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel	2/0	2
IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0

<u>Description</u>	<u>F/R Wt</u>	<u>Tot Wt</u>
	(lbs)	(lbs)
SEAT, DRIVER {Seats, Inc. Universal Series} 911, NFPA Compliant, Air Suspension, High Back Vinyl with Covered Back and International Logo on Head Rest	12/2	14
<u>Includes</u>		
: SEAT BELT 3-Point, Lap and Shoulder Belt Type		
SEAT, REAR {Seats, Inc. Universal Series} 911, NFPA Compliant, Three Individual Seats on one Riser, Non-Suspension, High Back for SCBA, Vinyl With Covered Back, International Logo on Headrest	276/77	353
<u>Includes</u>		
: SEAT BELT (3) Two 3-Point Shoulder Belts and One 2-Point Lap Belt (Center Position)		
SEAT, PASSENGER {Seats, Inc. Universal Series} 911, NFPA Compliant, Non-Suspension, High Back for SCBA, With 5 Degree Back angle, Vinyl Covered Back, With Adjusters and International Logo on Headrest	81/21	102
<u>Includes</u>		
: SEAT BELT 3-Point, Lap and Shoulder Belt Type		
GRAB HANDLE (2) Chrome Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar	6/0	6
GRAB HANDLE, ADDITIONAL EXT (2) Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; Mounted Left and Right Side on Exterior, Rear of Rear Doors, With Crew Cab	5/0	5
MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75", Brackets Breakaway Type, With 102" Wide Spacing, With Integral Convex Both Sides, With All Heated Heads, Thermostatically Controlled, With Bright Finish Heads and Brackets	7/0	7
CAB MOUNTING HEIGHT EFFECTS Mid Cab in Lieu of Low Cab Mounting Height (Approx. 4") for Increased Cooling System Requirements	0/35	35
SEAT BELT All Red; 4 to 6	0/0	0
INSTRUMENT PANEL Center Section, Flat Panel	0/0	0
AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster	0/0	0
<u>Includes</u>		
: HEATER HOSES Premium		
: REFRIGERANT Hydrofluorocarbon HFC-134A		
STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door	1/0	1
CAB INTERIOR TRIM Deluxe; for Crew Cab	0/0	0
<u>Includes</u>		
: "A" PILLAR COVER Molded Plastic		
: CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat the Back Panel is Only Partially Covered and with a Full Bench Seat the		
: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets and Retainer Nets and CB Radio Pocket		
: DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors		
: FLOOR COVERING Rubber, Black		
: HEADLINER Soft Padded Cloth		
: INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section		
: STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door		
: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console		
CAB REAR SUSPENSION Air Bag Type	27/8	35
WHEELS, FRONT DISC; 22.5" Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs	-70/0	-70
<u>Includes</u>		

Description

: WHEEL SEALS, FRONT Grease Lubricated, Includes Wheel Bearings

WHEELS, REAR DUAL DISC; 22.5" Polished Aluminum Outer Wheel, With Steel Inner Wheel; 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims, With Steel Hubs

Includes

: WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings

WHEEL GUARDS, FRONT {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel

BDY INTG, I/O EXPANSION HARNES {for Diamond Logic Builder} In-Cab wire harness (DLB) program only, Includes a harness with five blunt cut wires routed on lower left of instrument panel. Two ground active inputs and two (.5Amp) relay drivers outputs are provided

(2) TIRE, FRONT 11R22.5 G149 RSA/RH (GOODYEAR) 501 rev/mile, load range G, 14 ply

(4) TIRE, REAR 12R22.5 UNISTEEL G124 M+S (GOODYEAR) 482 rev/mile, load range H, 16 ply

Cab schematic 100GA

Location 1: 2303, Red (Std)

Chassis schematic N/A

Total Component Weight:

Raw Material Surcharge

Air Horns Mounted on Hood with Driver Steering Wheel Control and Passenger Foot Control

Total Goods Purchased:

F/R Wt **Tot Wt**
 (lbs) (lbs)

0/-70 -70

2/0 2

1/0 1

82/0 82

0/268 268

7694/5001 12695

0/0 0

0/0 0

0/0 0

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. International Truck and Engine Corp. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.